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(71)Applicant : ORIENTAL PHOTO IND CO LTD

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(72)Inventor : HIGUCHI TETSUYA

SUZUKI MASAO

UCHIBORI TAKAHIRO

SUGIMOTO YOSHITAKA

(54) IMAGE FORMING MATERIAL AND IMAGE FORMING METHOD BOTH USING DRY PROCESS

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a full color image forming material and a full color image forming method both using a dry process in which color turbidity is not generated during storage for a long time and small in change of photographic characteristics by incorporating a water absorbing resin in the inside layer of microcapsules.

SOLUTION: The image forming material is provided on a support with a layer containing the microcapsules each containing a photosetting compound, a photoinitiator, and a dye precursor in the inside layer and this microcapsule-containing layer or its adjacent layer contains a developer. The inside layer in the microcapsule contains a water-absorbing resin made of a polyacrylamide metal salt or the like. The photosetting compound is a radical addition polymer. The photoinitiator makes to produce free radicals capable of initiating radical polymerization of polymerizable or cross-linkable compound by absorbing chemical rays. The dye precursor is a substantially colorless electron donative compound having a lactone structure or the like in a partial skeleton. The developer is an aromatic carboxylic acid or its polyvalent metal salts or the like.

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